RESERVE POWER

AGM STANDARD

Q-BATTERIES QUALITY

12LS-1.2

12V 1.2Ah

VdS G118002

Design lifetime 5 years



Q-Batteries Security Akku 12LS-1.2 is an AGM battery with VdS-approval. It is designed for stand-by applications such as burglar-systems or UPS-systems.

Application:

burglar-systems, UPS-systems,
fire-detecting-systems,
telecommunication-systems

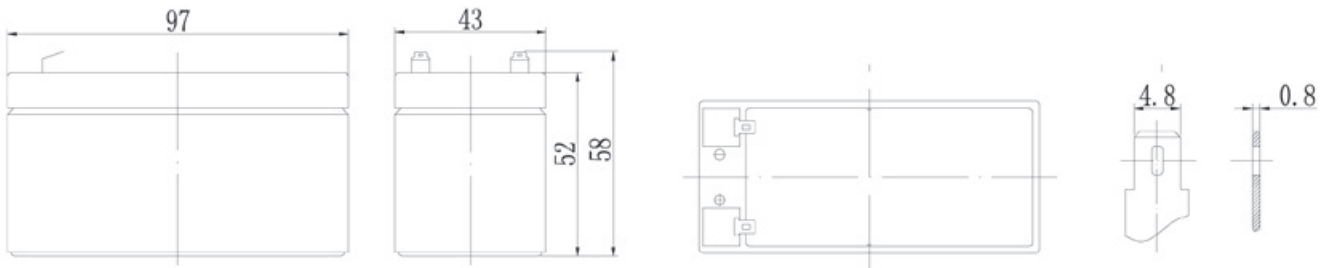


Specification:

Voltage Per Unit	12 V		
Capacity	1.2 Ah (20 h) cell voltage 1.8V / cell		
Cells Per Unit	6		
Weight	ca. 0,6 kg +/- 3%		
Max. Discharge Current	18 A (5 sec.)		
Internal Resistance	ca. 95m Ω		
Operating Temperature Range	Discharge:	Charge:	Storage:
Normal	- 15°C – 50°C	-10°C – 50°C	- 20°C – 50°C
Operating Temperature Range	25°C ± 5°C		
Self Discharge	Valve Regulated Lead Acid (VRLA) batteries can be stored for more than 6 months at 25°C. Self-discharge ratio less than 3% per month at 25°C. Please charge batteries before using.		
Terminal	F1 (FastOn 4,8 mm)		
Technology	AGM, Absorbent glass mat technology		
Container Material	A.B.S. (UL94-HB)		

Dimensions:

97 Length x 43 Width x 52 mm (max. 58) Height



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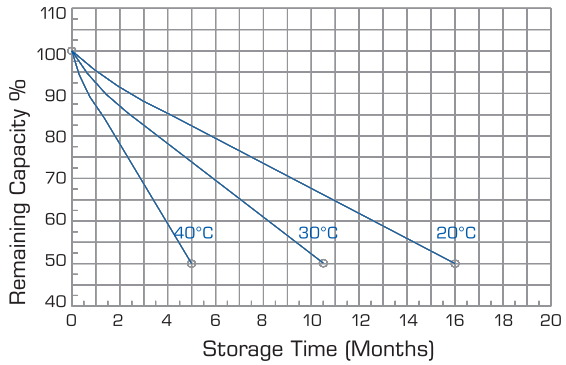
Constant current discharge characteristics: A (25°C)

F.V/Time	5min	10min	15min	30min	60min	2HR	3HR	4HR	5HR	10HR	20HR
9.60V	4.56	2.88	2.28	1.27	0.78	0.43	0.306	0.245	0.208	0.113	0.061
9.90V	4.42	2.79	2.23	1.25	0.77	0.42	0.304	0.243	0.207	0.113	0.061
10.2V	4.24	2.68	2.14	1.21	0.75	0.42	0.302	0.242	0.205	0.112	0.060
10.5V	4.06	2.56	2.07	1.18	0.73	0.41	0.300	0.240	0.204	0.112	0.060
10.8V	3.83	2.42	1.96	1.14	0.71	0.40	0.291	0.233	0.198	0.109	0.059

Constant current discharge characteristics: Watt (25°C)

F.V/Time	5min	10min	15min	30min	60min	2HR	3HR	4HR	5HR	10HR	20HR
9.60V	50.9	32.5	26.0	14.6	9.0	4.99	3.64	2.92	2.48	1.36	0.73
9.90V	49.4	31.5	25.4	14.3	8.9	4.96	3.61	2.90	2.47	1.35	0.73
10.2V	47.3	30.2	24.4	13.8	8.7	4.91	3.59	2.88	2.45	1.35	0.72
10.5V	45.3	28.9	23.6	13.5	8.5	4.84	3.56	2.86	2.44	1.34	0.72
10.8V	42.7	27.3	22.4	13.0	8.2	4.72	3.46	2.77	2.36	1.31	0.71

Storage characteristic:



Charging Method:

Recharge after use, at least every 6th month:

Cyclic charging voltage
14,5 to 14,9 V (25°C)

Float charging voltage (25°C)
13,6 to 13,8 V (25°C)

Maximum charging current
0,36A

Do not short circuit the battery.

Capacity Factors with different Temperature:

Battery Type		-20°C	-10°C	0°C	5°C	10°C	20°C	25°C	30°C	40°C	45°C
GEL Battery	6V & 12V	50%	70%	83%	85%	90%	98%	100%	102%	104%	105%
	2V	60%	75%	85%	88%	92%	99%	100%	103%	105%	106%
AGM Battery	6V & 12V	46%	66%	76%	83%	90%	98%	100%	103%	107%	109%
	2V	55%	70%	80%	85%	92%	99%	100%	104%	108%	110%

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